

ABSTRACT OF THE DISCLOSURE

Electric-component mounting system includes a member fixedly disposed on one of a main body and a movable portion, an image-taking device fixedly disposed on the other of the main body and the movable portion to take an image of the member. The member and the image-taking device are positioned relative to each other such that an error of relative positioning therebetween detected on the basis of the image of the member substantially represents a positioning error of the member due to thermal expansion of the system. A controller determines a drive signal to operate a drive device, on the basis of the image of the member, so as to reduce an amount of influence of the positioning error of the member on the actual position of the movable portion.